

Human MRPL53 (Mitochondrial large ribosomal subunit protein mL53) ELISA Kit | MRPL53 elisa kit

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CATALOG #
AAA249277

REACTIVITY
Human

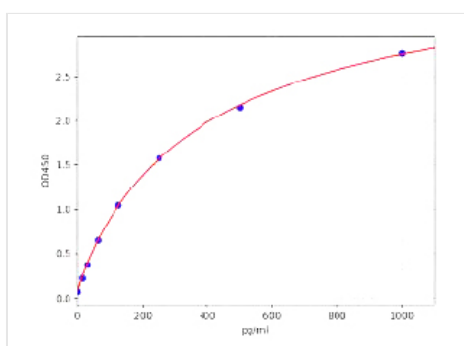
PRODUCT SYNONYMS

MRPL53 (Mitochondrial large ribosomal subunit protein mL53); Human MRPL53 (Mitochondrial large ribosomal subunit protein mL53) ELISA Kit; 39S ribosomal protein L53; mitochondrial; L53mt; MRP-L53; Mitochondrial large ribosomal subunit protein mL53; MRPL53 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MRPL53. No significant cross-reactivity or interference between MRPL53 and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MRPL53 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16596694
NCBI GeneID	116540
NCBI Accession #	NP_444278.1
NCBI GenBank Nucleotide #	NM_053050.4
UniProt Accession #	Q96EL3
Molecular Weight	12,107 Da
NCBI Official Full Name	39S ribosomal protein L53, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L53
NCBI Official Symbol	MRPL53
NCBI Official Synonym Symbols	L53MT
NCBI Protein Information	39S ribosomal protein L53, mitochondrial
UniProt Protein Name	39S ribosomal protein L53, mitochondrial
UniProt Gene Name	MRPL53
UniProt Synonym Gene Names	L53mt; MRP-L53
UniProt Entry Name	RM53_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/mrpl53-mitochondrial-large-ribosomal-subunit-protein-ml53/249277>